

**ABSTRACT**

A system for monitoring a patient's vital signs that features a vital-sign monitor including sensors for measuring from the patient at least one of the following vital-sign data: O<sub>2</sub> saturation, blood pressure, electro-cardiogram, respirator rate, and blood glucose level. The system also includes a global positioning system that determines location-based data. A wireless transmitter, in electrical contact with the vital-sign monitor and global positioning system, receives the vital-sign and location-based data and wirelessly transmits these data through a conventional wireless network. A gateway software piece receives and processes the data from the wireless network and stores these data in a computer memory associated with a database software piece. The system also includes an Internet-based user interface that displays the vital sign data for both individual patients and care-providers.